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no. 12, p. 2027-2032.

DESCRIPTORS: *Dyes, *Organic pigments, *Metal-
organic compounds, *Copper compounds, *Phtha-
locyanines, *Bromides, Synthesis (Chemistry),
Phthalic anhydride, Bromination, Metallation, Physical
properties, Chemical properties.

Studies were made on the method of synthesizing
pigments, in which the aromatic nucleus of copper
phthalocyanines is substituted with 1~16 bromine
(Chemistry--Organic, TT, v. 10, no. 11) (over)

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no. 12, p. 2013-2017.

DESCRIPTORS: *Dyes, *Organic pigments, *Phthalocyanines, Copper compounds, Sulfates, Metalorganic compounds, Synthesis (Chemistry), Chemical properties, Physical properties, Molecular structure, X-ray diffraction analysis, Infrared spectroscopy

When copper phthalocyanine reacts with undiluted sulfuric acid in suitable organic solvents the sulfate is separated. The sulfate was separated in pure form by removing the sulfuric acid attached to its crystals. In (Chemistry--Organic, TT, v. 10, no. 11) (over)

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DESCRIPTORS: *Phthalocyanines, *Pigments, *Copper
compounds, *Crystallization, *Transformations,
Crystal structure, Cobalt compounds, Iron compounds,
Titanium compounds, Chlorides.

Crystals of metastable copper phthalocyanine undergo
crystalline transformation in an aromatic solvent and
grow into stable elongated needle crystals. In order to
improve this property, mixed pigments were prepared
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DESCRIPTORS: *Milk, Production, *Cattle, Processing,
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Experimental data show that milk produced by cows of
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